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(MON) 11. 19' 01 14:52/ST. 14:51/NO. 3561683711 P 1

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November 19, 2001

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

BERRY et al.

Serial No.: 09/341,600

Filed: September 15, 1999

Atty. File No.: 3161-18-PUS

For: "PROCESS FOR PRODUCTION OF
N-GLUCOSAMINE"

Group Art Unit: 1652

Examiner: Fronda, C.

AMENDMENT AND RESPONSE

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this paper is being facsimile transmitted
to the Patent and Trademark Office on November 19, 2001

SHERIDAN ROSS P C


KATHLEEN BUSSELLAssistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

This Amendment and Response is submitted in response to a final Office Action having a mailing date of July 17, 2001. Enclosed herewith is a request for a one month extension of time, to extend the time for responding from October 17, 2001 to November 17, 2001. No additional fees are believed to be due in connection with this response, but in the event that fees are due, please debit Deposit Account No. 19-1970.

Please amend and reconsider the above-identified patent application as follows.

IN THE CLAIMS:

Please cancel Claims 1-39, without prejudice to or disclaimer of the subject matter therein.

Please add the following new Claims 40-70, without prejudice to or disclaimer of the subject matter therein.

40. A method to produce glucosamine by fermentation, comprising:

a. culturing in a fermentation medium comprising assimilable sources of carbon, nitrogen and phosphate, a microorganism which comprises at least one genetic modification that increases the activity of glucosamine-6-phosphate synthase, wherein said genetic modification is selected from the group consisting of: